

**In The Claims:**

Please amend the claims as follows:

1. (original) An electrodeionization apparatus, comprising:

a plurality of anion exchange membranes and a plurality of cation exchange membrane that are alternately arranged between a cathode and an anode to alternately form at least one concentrating compartment and at least one desalting compartment, wherein

the concentrating compartments and the desalting compartments are filled with ion exchangers, and a filling ratio of anion exchanger to cation exchanger of the ion exchanger in the concentrating compartments is higher than a filling ratio of anion exchanger to cation exchanger of the ion exchanger in the desalting compartments.

2. (original) The electrodeionization apparatus according to claim 1, which comprises a plurality of concentrating compartments and a plurality of desalting compartments, wherein the filling ratio of anion exchanger to cation exchanger of the ion exchanger in the concentrating compartments ranges from 75/25 to 95/5.

3. (currently amended) The electrodeionization apparatus according to claim 1[[ or 2]], wherein the ion exchanger in the concentrating compartment comprises a mixed ion exchange resin comprising an anion exchange resin and a cation exchange resin, wherein a crosslinking degree of the anion exchange resin is 3-8%, and a crosslinking degree of the cation exchange resin is 5-10% .

4. (currently amended) The electrodeionization apparatus according to [[any one of claims 1-3]]claim 1, wherein a ratio of a water introduction rate (L/h) into the desalting compartment to an effective area ( $\text{dm}^2$ ) of the anion exchange membrane in the desalting compartment is 5 or higher.

5. (currently amended) The electrodeionization apparatus according to [[any one of claims 1-4]]claim 1, which satisfies at least one of the following two conditions (1) and (2):

(1) a ratio of a carbonate loading (mg-CO<sub>2</sub>/h) into the desalting compartment to an effective area ( $\text{dm}^2$ ) of the anion exchange membrane in the desalting compartment being 80 or higher; and

(2) a ratio of a silica loading (mg-SiO<sub>2</sub>/h) into the desalting compartment to an effective area ( $\text{dm}^2$ ) of the anion exchange membrane in the desalting compartment being 8 or higher.

6. (currently amended) The electrodeionization apparatus according to [[any one of claims 1-5]]claim 1, wherein a current density of 300mA/dm<sup>2</sup> or higher is applied.

7. (currently amended) The electrodeionization apparatus according to [[any one of claims 1-6]]claim 1, wherein the concentrating compartment is filled with an anion exchange resin that comprises a thermostable anion exchange resin.

No new matter has been added to the application by the amendments made to the claims.

Respectfully submitted,

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